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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/103,287A

1633

Martinielli J.
SHO

DATE: 04/07/2000
TIME: 15:30:30

Input Set: I103287A.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

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1  <110> APPLICANT: Wallis, Nicola G.
2      Burnham, Martin K. R.
3  <120> TITLE OF INVENTION: MurC
4  <130> FILE REFERENCE: GM10025
5  <140> CURRENT APPLICATION NUMBER: US/09/103,287A
6  <141> CURRENT FILING DATE: 1998-06-23
7  <150> EARLIER APPLICATION NUMBER: US 60/052,720
8  <151> EARLIER FILING DATE: 1997-07-03
9  <160> NUMBER OF SEQ ID NOS: 6
10 <170> SOFTWARE: FastSEQ for Windows Version 4.0
11 <210> SEQ ID NO 1
12 <211> LENGTH: 1351
13 <212> TYPE: DNA
14 <213> ORGANISM: Staphylococcus aureus
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17      atgagttcat tagcacaaat catgcatgat ttaggacatg aagttcaagg atcggatatt      120
18      gagaactacg tatttacaga agttgctctt agaaataagg ggataaaaaat attaccattt      180
19      ggtgctaata acataaaaga agatatggta gttatacaag gtaatgcatt cgcgagtagc      240
20      catgaagaaa tagtacgtgc acatcaattg aaattagatg ttgtaagtta taatgatttt      300
21      ttaggacaga ttattgatca atatacttca gtagctgtaa ctggtgcaca tggtaaaact      360
22      tctacaacag gtttattatc acatgttatg aatggtgata aaaagacttc atttttaatt      420
23      ggtgatggca caggtatggg attgcctgaa agtgattatt tcgcttttga ggcattgtgaa      480
24      tatagacgtc actttttaag ttataaacct gattacgcaa ttatgacaaa tattgatttc      540
25      gatcatcctg attatttcaa agatattaat gatgtttttg atgcattcca agaaatggca      600
26      cataatgta aaaaaggat tattgcttgg ggtgatgatg aacatctacg taaaattgaa      660
27      gcagatgttc caatttatta ctatggattt aaagattcgg atgacattta tgctcaaaat      720
28      attcaaatta cggataaagg tactgctttt gatgtgtatg tggatgggtga gttttatgat      780
29      cacttcctgt ctccacaata tggtgacct acagttttta atgcattagc tgtaattgcg      840
30      attagttatt tagagaagct agatgttaca aatattaaag aagcattaga aacgtttggt      900
31      ggtgttaaac gtcgtttcaa tgaaactaca attgcaaadc aagttattgt agatgattat      960
32      gcacaccatc caagagaaat tagtgctaca attgacacag cacgaaagaa atatccacat      1020
33      aaagaagttg ttgcagtatt tcaaccacac actttctcta gaacacaagc atttttaaat      1080
34      gaatttgcag aaagtttatg taaagcagat cgtgtattct tatgtgaaat ttttggctca      1140
35      attagagaaa attctggcgc attaacgata caagatttaa ttgataaaat tggagggtgca      1200
36      tcgttcatta atgaagatct tattaatgta ttagaacaat ttgataatgc tgttgtttta      1260
37      tttatgggtg caggtgatat tcaaaaatta caaatgcat atttagataa attaggcatg      1320
38      aaaaatgcgt tttaatatgt ttataataga g                                     1351
39  <210> SEQ ID NO 2
40  <211> LENGTH: 437
41  <212> TYPE: PRT
42  <213> ORGANISM: Staphylococcus aureus
43  <400> SEQUENCE: 2
44      Met Thr His Tyr His Phe Val Gly Ile Lys Gly Ser Gly Met Ser Ser

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45	1	5	10	15
46	Leu	Ala	Gln	Ile
47	20	25	30	
48	Ile	Glu	Asn	Tyr
49	35	40	45	
50	Lys	Ile	Leu	Pro
51	50	55	60	
52	Ile	Gln	Gly	Asn
53	65	70	75	80
54	His	Gln	Leu	Lys
55	85	90	95	
56	Ile	Ile	Asp	Gln
57	100	105	110	
58	Thr	Ser	Thr	Thr
59	115	120	125	
60	Thr	Ser	Phe	Leu
61	130	135	140	
62	Asp	Tyr	Phe	Ala
63	145	150	155	160
64	Tyr	Lys	Pro	Asp
65	165	170	175	
66	Asp	Tyr	Phe	Lys
67	180	185	190	
68	Ala	His	Asn	Val
69	195	200	205	
70	Leu	Arg	Lys	Ile
71	210	215	220	
72	Asp	Ser	Asp	Asp
73	225	230	235	240
74	Thr	Ala	Phe	Asp
75	245	250	255	
76	Ser	Pro	Gln	Tyr
77	260	265	270	
78	Ala	Ile	Ser	Tyr
79	275	280	285	
80	Leu	Glu	Thr	Phe
81	290	295	300	
82	Ala	Asn	Gln	Val
83	305	310	315	320
84	Ser	Ala	Thr	Ile
85	325	330	335	
86	Val	Ala	Val	Phe
87	340	345	350	
88	Asn	Glu	Phe	Ala
89	355	360	365	
90	Glu	Ile	Phe	Gly
91	370	375	380	
92	Asp	Leu	Ile	Asp
93	385	390	395	400
94	Ile	Asn	Val	Leu

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96      Ala Gly Asp Ile Gln Lys Leu Gln Asn Ala Tyr Leu Asp Lys Leu Gly
97              420              425              430
98      Met Lys Asn Ala Phe
99              435
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101 <211> LENGTH: 660
102 <212> TYPE: DNA
103 <213> ORGANISM: Staphylococcus aureus
104 <400> SEQUENCE: 3
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106      tgttgatgtg tatgtggatg gtgagtttta tgatcacttc ctgtctccac aatatgggtga      120
107      ccatacagtt ttaaattgcat tagctgtaat tgcgattagt tatttagaga agctagatgt      180
108      tacaatatatt aaagaagcat tagaaacggt tgggtggtgtt aaacgctcgtt tcaatgaaac      240
109      tacaattgca aatcaagtta ttgtagatga ttatgcacac catccaagag aaattagtgc      300
110      tacaattgac acagcacgaa agaaatatcc acataaagaa gttgttgacag tattttcaacc      360
111      acacactttc tctagaacac aagcattttt aaatgaattt gcagaaagtt taagtaaagc      420
112      agatcggtga ttcttatgtg aaatttttgg atcaattaga gaaaatactg gcgcattaac      480
113      gatacaagat ttaattgata aaattgaagg tgcacgttta attaataagc attctattaa      540
114      tgtattagaa caatttgata atgctgttgt tttatttatg ggtgcagggtg atattcaaaa      600
115      attacaaaaat gcatatttag ataaattagg catgaaaaat gcgttttaaat atgtttataa      660
116 <210> SEQ ID NO 4
117 <211> LENGTH: 215
118 <212> TYPE: PRT
119 <213> ORGANISM: Staphylococcus aureus
120 <400> SEQUENCE: 4
121      Phe Lys Asp Ser Asp Asp Ile Tyr Ala Gln Ile Phe Gln Ile Thr Asp
122      1              5              10              15
123      Lys Gly Thr Ala Val Asp Val Tyr Val Asp Gly Glu Phe Tyr Asp His
124      20              25              30
125      Phe Leu Ser Pro Gln Tyr Gly Asp His Thr Val Leu Asn Ala Leu Ala
126      35              40              45
127      Val Ile Ala Ile Ser Tyr Leu Glu Lys Leu Asp Val Thr Asn Ile Lys
128      50              55              60
129      Glu Ala Leu Glu Thr Phe Gly Gly Val Lys Arg Arg Phe Asn Glu Thr
130      65              70              75              80
131      Thr Ile Ala Asn Gln Val Ile Val Asp Asp Tyr Ala His His Pro Arg
132      85              90              95
133      Glu Ile Ser Ala Thr Ile Asp Thr Ala Arg Lys Lys Tyr Pro His Lys
134      100             105             110
135      Glu Val Val Ala Val Phe Gln Pro His Thr Phe Ser Arg Thr Gln Ala
136      115             120             125
137      Phe Leu Asn Glu Phe Ala Glu Ser Leu Ser Lys Ala Asp Arg Val Phe
138      130             135             140
139      Leu Cys Glu Ile Phe Gly Ser Ile Arg Glu Asn Thr Gly Ala Leu Thr
140      145             150             155             160
141      Ile Gln Asp Leu Ile Asp Lys Ile Glu Gly Ala Ser Leu Ile Asn Glu
142      165             170             175
143      Asp Ser Ile Asn Val Leu Glu Gln Phe Asp Asn Ala Val Val Leu Phe
144      180             185             190

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145	Met Gly Ala Gly Asp Ile Gln Lys Leu Gln Asn Ala Tyr Leu Asp Lys	
146	195 200 205	
147	Leu Gly Met Lys Asn Ala Phe	
148	210 215	
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150	<211> LENGTH: 19	
151	<212> TYPE: DNA	
152	<213> ORGANISM: Staphylococcus aureus	
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156	<211> LENGTH: 19	
157	<212> TYPE: DNA	
158	<213> ORGANISM: Staphylococcus aureus	
159	<400> SEQUENCE: 6	
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Line ? Error/Warning

Original Text
